

Form PTO-1449 (modified)

Atty. Docket No.
MAXC:013USD1Serial No.
10/751,586

List of Patents and Publications for Applicant's

Applicant
Sergey M. Dzekunov *et al.*

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Filing Date:
January 5, 2004Group:
Unknown

U.S. Patent Documents

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U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date of App.
K	A1	2001/0001064	5/10/01	Holaday	435	173.6	12/14/00
	A2	2003/0170871	9/11/03	Dubensky, Jr. <i>et al.</i>	435	235.1	4/25/01
	A3	2,955,076	10/4/60	Gossling			10/4/56
	A4	3,676,325	7/11/72	Smith <i>et al.</i>	204	288	6/8/70
	A5	4,075,076	2/21/78	Xylander	204	206	9/30/75
	A6	4,081,340	3/28/78	Zimmermann <i>et al.</i>	204	180	1/25/77
	A7	4,192,869	3/11/80	Nicolau <i>et al.</i>	424	199	10/17/78
	A8	4,252,628	2/24/81	Boulton <i>et al.</i>	204	257	2/23/78
	A9	4,321,259	3/23/82	Nicolau <i>et al.</i>	424	101	3/22/79
	A10	4,440,386	4/3/84	Achelpohl	271	70	3/4/82
	A11	4,473,563	9/25/84	Nicolau <i>et al.</i>	424	224	11/2/81
	A12	4,476,004	10/9/84	Pohl	204	299	10/26/83
	A13	4,478,824	10/23/84	Franco <i>et al.</i>	424	101	8/8/83
	A14	4,622,302	11/11/86	Sowers	435	172.2	8/9/84
	A15	4,652,449	3/24/87	Ropars <i>et al.</i>	424	101	10/27/83
	A16	4,663,292	5/5/87	Wong <i>et al.</i>	435	287	
	A17	4,695,547	9/22/87	Hilliard <i>et al.</i>	435	173	4/2/86
	A18	4,699,881	10/13/87	Matschke	435	173	6/4/86
	A19	4,752,586	6/21/88	Ropars <i>et al.</i>	435	287	11/20/86
	A20	4,764,473	8/16/88	Matschke <i>et al.</i>	435	287	11/4/86
	A21	4,784,737	11/15/88	Ray <i>et al.</i>	204	180.1	4/18/86
	A22	4,800,163	1/24/89	Hibi <i>et al.</i>	435	287	12/15/87
	A23	4,804,450	2/14/89	Mochizuki <i>et al.</i>	204	299	12/10/86

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EXAMINER: INITIAL IF REFERENCE IS CONSIDERED WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

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U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date of App.
<input checked="" type="checkbox"/>	A24	4,822,470	4/18/89	Chang	204	299	10/9/87
<input checked="" type="checkbox"/>	A25	4,840,714	6/20/89	Littlehales	204	180.1	5/13/87
<input checked="" type="checkbox"/>	A26	4,849,089	7/18/89	Marshall, III	204	299	2/21/89
<input checked="" type="checkbox"/>	A27	4,849,355	7/18/89	Wong	435	172.3	12/30/87
<input checked="" type="checkbox"/>	A28	4,874,690	10/17/89	Goodrich, Jr. <i>et al.</i>	435	2	8/26/88
<input checked="" type="checkbox"/>	A29	4,882,281	11/21/89	Hilliard <i>et al.</i>	435	287	8/26/86
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<input checked="" type="checkbox"/>	A31	4,910,140	3/20/90	Dower	435	172.3	4/18/88
<input checked="" type="checkbox"/>	A32	4,923,814	5/8/90	Marshall, III	435	173	4/26/89
<input checked="" type="checkbox"/>	A33	4,931,276	6/5/90	Franco <i>et al.</i>	424	533	3/13/89
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<input checked="" type="checkbox"/>	A35	4,946,793	8/7/90	Marshall, III	435	291	12/12/88
<input checked="" type="checkbox"/>	A36	4,956,288	9/11/90	Barsoum	435	172.3	4/22/88
<input checked="" type="checkbox"/>	A37	4,970,154	11/13/90	Chang	435	172.2	8/30/88
<input checked="" type="checkbox"/>	A38	4,995,957	2/26/91	Ziegler <i>et al.</i>	204	182.8	5/9/88
<input checked="" type="checkbox"/>	A39	5,007,995	4/16/91	Takahashi <i>et al.</i>	204	299	5/11/89
<input checked="" type="checkbox"/>	A40	5,036,006	7/30/91	Sanford <i>et al.</i>	435	170.1	8/17/89
<input checked="" type="checkbox"/>	A41	5,043,261	8/27/91	Goodrich <i>et al.</i>	435	2	6/2/89
<input checked="" type="checkbox"/>	A42	5,098,843	3/24/92	Calvin	435	287	7/9/90
<input checked="" type="checkbox"/>	A43	5,100,627	3/31/92	Buican <i>et al.</i>	422	108	11/30/89
<input checked="" type="checkbox"/>	A44	5,100,792	3/31/92	Sanford <i>et al.</i>	435	172.1	1/24/89
<input checked="" type="checkbox"/>	A45	5,114,681	5/19/92	Bertoncini <i>et al.</i>	422	111	3/9/90
<input checked="" type="checkbox"/>	A46	5,124,259	6/23/92	Tada	435	172.1	8/22/90

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U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date of App.
<i>[initials]</i>	A47	5,128,257	7/7/92	Baer	435	173	8/31/87
	A48	5,134,070	7/28/92	Casnig	435	173	10/30/90
	A49	5,135,667	8/4/92	Schoendorfer	210	782	6/14/90
	A50	5,137,817	8/11/92	Busta <i>et al.</i>	435	173	10/5/90
	A51	5,139,684	8/18/92	Kaali <i>et al.</i>	210	748	11/16/90
	A52	5,232,856	8/3/93	Firth	435	287	7/30/90
	A53	5,424,209	6/13/95	Kearney	435	284	3/19/93
	A54	5,501,662	3/26/96	Hofmann	604	20	9/12/94
	A55	5,545,130	8/13/96	Hofmann <i>et al.</i>	604	4	10/12/94
	A56	5,612,207	3/18/97	Nicolau <i>et al.</i>	435	173.6	3/23/94
	A57	5,676,646	10/14/97	Hofmann <i>et al.</i>	604	4	3/14/96
	A58	5,720,921	2/24/98	Meserol	424	44	3/10/95
	A59	5,728,281	3/17/98	Holmström <i>et al.</i>	204	403	11/13/96
	A60	6,074,605	6/13/00	Meserol <i>et al.</i>	422	33	3/11/96
	A61	6,090,617	7/18/00	Meserol	435	285.2	12/5/96
	A62	6,485,961	11/26/02	Meserol	435	285.2	7/18/00
<i>[initials]</i>	A63	6,506,604	1/14/03	Finer <i>et al.</i>	435	456	9/04/01

Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
<i>[initials]</i>	B1	AU 680890	10/11/94	Austria			
<i>[initials]</i>	B2	CA 2,214,800	2/22/02	Canada			
<i>[initials]</i>	B3	CN 1195997	10/14/98	China			

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Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
	B4	DE 2405119	9/4/75	Germany			Abstract
	B5	DE 3603029	8/6/87	Germany			Abstract
	B6	DE 4440386	5/15/96	Germany			
	B7	EP 0137504	4/17/85	Europe			
	B8	EP 0343783	11/29/89	Europe			
	B9	EP 0362758	4/11/90	Europe			
	B10	EP 0472772	3/4/92	Europe			
	B11	EP 0798309	10/1/97	Europe			
	B12	JP 1141582	6/2/89	Japan			Abstract
	B13	JP 2131584	5/21/90	Japan			Abstract
	B14	JP 2131585	5/21/90	Japan			Abstract
	B15	JP 2186993	7/23/90	Japan			Abstract
	B16	JP 3195485	8/27/91	Japan			Abstract
	B17	JP 4027393	1/30/92	Japan			Abstract
	B18	JP 62151174	7/6/87	Japan			Abstract
	B19	JP 62171687	7/28/87	Japan			Abstract
	B20	JP 62228277	10/7/87	Japan			Abstract
	B21	JP 62265975	11/18/87	Japan			Abstract
	B22	JP 63141587	6/14/88	Japan			Abstract
	B23	JP 6349068	12/22/94	Japan			Abstract
	B24	JP 7180029	7/18/95	Japan			Abstract
	B25	JP 7320720	12/8/95	Japan			Abstract
	B26	WO 01/24830	4/12/01	PCT			

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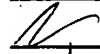
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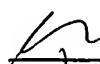
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Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
	B27	WO 88/04322	6/16/88	PCT			
	B28	WO 89/02464	3/23/89	PCT			
	B29	WO 89/03426	4/20/89	PCT			
	B30	WO 91/18103	11/28/91	PCT			
	B31	WO 94/21117	9/29/94	PCT			
	B32	WO 96/28199	3/11/96	PCT			
	B33	WO 98/24490	6/11/98	PCT			

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
	C1	"Advanced Coatings for the Medical Industry," Multi-Arc Scientific Coatings, Copyright © Andal Corp.
	C2	"Biological Buffers," In: <i>The Biological Engineering Handbook</i> , Bronzino (ed.), CRC Press, pp. 1650, c1995.
	C3	"Ion Bond® 16 Zirconium Nitride Coating," Multi-Arc, Inc., 1996.
	C4	"Ion Bond® 17 Titanium Aluminum Nitride Coating," Multi-Arc, Inc., 1995.
	C5	"Ion Bond® 19 Chromium Nitride Coating," Multi-Arc, Inc., 1995.
	C6	"Ion Bond® Coatings for Instruments, Design Considerations," Multi-Arc, Inc., 1995.
	C7	"Ion Bond® Coatings for Instruments, Most Commonly Asked Questions," Multi-Arc, Inc., 1995.
	C8	"Preparation of certain reagents, anticoagulants and preservative solutions," In: <i>Practical Haematology</i> , 5 th Edition, Dacie and Lewis (eds.), Appendices, pp.598, 1975
	C9	"The Ion Bond Network," Multi-Arc, Inc., 1995.

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Exam. Init.	Ref. Des.	Citation
	C10	Abatti <i>et al.</i> , "Development of a new geometrical form of micropipette: electrical characteristics and an application as a potassium ion selective electrode," <i>IEEE Trans. Biomed. Eng.</i> , 39:43-48, 1992.
	C11	Asakami <i>et al.</i> , "Materials for electrode of alkali metal thermoelectric converter (AMTEC) (II)," <i>J. Mater. Sci. Lett.</i> , 9(8):892-894, 1990.
	C12	Behrndt and Lunk, "Biocompatibility of TiN preclinical and clinical investigations," <i>Materials Sciences & Engineering</i> , A139:58-60, 1991.
	C13	Bredenbeek <i>et al.</i> , "Sindbus virus expression vectors: packaging of RNA replicaons by using defective helper RNAs," <i>J. Virol.</i> , 67(11):6439-6446, 1993.
	C14	Capizzi <i>et al.</i> , "Amifostine mediated protection of normal bone marrow from cytotoxic chemotherapy," <i>Cancer</i> , 72:3495-3501, 1993.
	C15	Chan <i>et al.</i> , "A novel human suspension culture packaging cell line for production of high-titre retroviral vectors," <i>Gene Therapy</i> , 8:697-703, 2001.
	C16	Chassy <i>et al.</i> , "Transformation of bacteria by electroporation," <i>Trends in Biotechnology</i> , 6(12):303-309, 1988.
	C17	Coll <i>et al.</i> , "Metallurgical and Tribological modification of titanium and titanium alloys by plasma assisted techniques," <i>Workshop H Society for Biomaterials Implat Retrieval Symposium</i> , September 17, 1992.
	C18	Duncan and Shivan, "High frequency tranformation of whole cells of amino acid producing coryneform bacteria using high voltage electroporation," <i>Bio/Technology</i> , 7:1067-1070, 1988.
	C19	Egorov and Noikova, "Effect of phase composition of TiN-Ni sintered electrode materials of characteristics of the ESA process," <i>Sov. Powder Metall Met. Ceram.</i> , 29(9):705-710, 1991.
	C20	Einck and Holaday, "Enhancement of tissue oxygenation by intracellular introduction of inositol hexaphosphate by flow electroporation of red blood cells," In: <i>Tissue Oxygenation in Acute Medicine (Update in Intensive Care and Emergency Medicine</i> , 33), Sibbald <i>et al.</i> , (eds.), pp. 357-374, c1998.
	C21	Frolov <i>et al.</i> , "Alphavirus-based expression vectors: strategies and applications," <i>Proc. Natl. Acad. Sci., USA</i> , 93:11371-11377, 1996.

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<input checked="" type="checkbox"/>	C22	Frolov <i>et al.</i> , "Sindbis virus replicons and sindbis virus: assembly of chimeras and of particles deficient in virus RNA," <i>J. Virol.</i> , 71(4):2819-2829, 1997.
<input type="checkbox"/>	C23	Gersonde and Nicolau, "Enhancement of the O ₂ release capacity and of the Bohr-effect of human red blood cells after incorporation of inositol hexaphosphate by fusion with effector-containing lipid vesicles," In: <i>Origins of Cooperative Binding by Hemoglobin</i> , 277-282, 1982.
<input type="checkbox"/>	C24	Gersonde and Nicolau, "Improvement of the red blood cell O ₂ release capacity by lipid vesicle-mediated incorporation of inositol hexaphosphate," <i>Blut</i> , 39:1-7, 1979.
<input type="checkbox"/>	C25	Gersonde and Nicolau, "Modification of the oxygen affinity of intracellular haemoglobin by incorporation of polyphosphates into intact red blood cells and enhanced O ₂ release in the capillary system," <i>Bibliotheca Haemat.</i> , 46:81-92, 1980.
<input type="checkbox"/>	C26	Gersonde and Weiner, "The influence of infusion rate on the acute intravenous toxicity of phytic acid, a calcium-binding agent," <i>Toxicology</i> , 22:279-286, 1982.
<input type="checkbox"/>	C27	Hirai <i>et al.</i> , "A new antitumor antibiotic, FR-900482" <i>J. of Antibiotics</i> , 40/5:607-611, 1987.
<input type="checkbox"/>	C28	Hofmann and Evans, "Electronic genetic—physical and biological aspects of cellular electromanipulation," <i>IEEE Engineering in Medicine and Biology Magazine</i> , 6-11, 19-22, 1986.
<input type="checkbox"/>	C29	Kinosita and Tsong, "Voltage-induced conductance in human erythrocyte membranes," <i>Biochimica et Biophysica Acta</i> , 554:479-497, 1979.
<input type="checkbox"/>	C30	Kobayashi <i>et al.</i> , "Fabrication of zirconium nitride sintered bodies and the application for electrode materials," <i>J. Ceram. Soc. Jpn.</i> , 97(10):1189-1194, (with English summary), 1989.
<input type="checkbox"/>	C31	Kullmann <i>et al.</i> , "In vitro effects of pentoxifylline on smooth muscle cell migration and blood monocyte production of chemotactic activity for smooth muscle cells: potential therapeutic benefit in the adult respiratory distress syndrome," <i>Am J. Respir. Cell</i> , 8:83-88, 1993.
<input type="checkbox"/>	C32	Kurtz and Gordon, "Transparent conducting electrodes on silicon," <i>Sol. Energy Mater.</i> , 15(4):229-236, 1987.
<input type="checkbox"/>	C33	Lee <i>et al.</i> , "Low-glutamine fed-batch cultures of 293-HEK serum-free suspension cells for adenovirus protection," <i>Biotechnol. Prog.</i> , 19(2):501-509, 2003.
<input checked="" type="checkbox"/>	C34	Lehninger (ed.), In: <i>Principles of Biochemistry</i> , Chapter 8: 181-194, 1982.

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	C35	Liljestrom <i>et al.</i> , "In vitro mutagenesis of a full-length cDNA clone of Semliki Forest virus: a small 6,000-molecular-weight membrane protein modulates virus release," <i>J. Virol.</i> , 65(8):4107-4113, 1991.
	C36	Maurer <i>et al.</i> , "Reduction of fretting corrosion of Ti-6Al-4V by various surface treatments," <i>J. Orthop. Res.</i> , 11:865-873, 1993.
	C37	Merz <i>et al.</i> , "Determination of HIV infection in human bone," <i>Unfallchirurg</i> , 941:47-49, (with English summary), 1991.
	C38	Mouneimne <i>et al.</i> , "Stable rightward shifts of the oxyhemoglobin dissociation curve induced by encapsulation of inositol hexaphosphate in red blood cells using electroporation," <i>FEBS Letters</i> , 275:117-120, 1990.
	C39	Narayan <i>et al.</i> , "Diamond, diamond-like and titanium nitride biocompatible coatings for human body parts," <i>Materials Sciences & Engineering</i> , B25:5-10, 1994.
	C40	Nicolau <i>et al.</i> , "Incorporation of allosteric effectors of hemoglobin in red blood cells. Physiological effects," <i>Biblitca haemat.</i> , 51:92-107, 1985.
	C41	Nicolau <i>et al.</i> , "Short- and long-term physiological effects of improved oxygen transport by red blood cells containing inositol hexaphosphate," In: <i>Phytic Acid: Chemistry and Applications</i> , Graf (ed.), Chapter 16:265-290, 1986.
	C42	Pietra <i>et al.</i> , "Titanium nitride as a coating for surgical instruments used to collect human tissue for trace metal analysis," <i>Analyst</i> , 115:1025-1028, 1990.
	C43	Pizzato <i>et al.</i> , "Development of a suspension packaging cell line for production of high titre, serum-resistant murine leukemia vectors," <i>Gene Therapy</i> , 8:737-745, 2001.
	C44	Ropars <i>et al.</i> , "Improved oxygen delivery to tissues and iron chelator transport through the use of lysed and resealed red blood cells: a new perspective on cooley's anemia therapy," <i>Annals New York Academy of Sciences</i> , 445:304-315, 1985.
	C45	Satomi <i>et al.</i> , "Tissue response to implanted ceramic-coated titanium alloys in rats," <i>J. Oral Rehab.</i> , 15:339-345, 1988.
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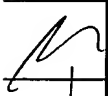
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INFORMATION DISCLOSURE STATEMENT — PTO-1449 (MODIFIED)

Form PTO-1449 (modified)		Atty. Docket No. MAXC:013USD1	Serial No. 10/751,586
List of Patents and Publications for Applicant's INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		Applicant Sergey M. Dzekunov <i>et al.</i>	
		Filing Date: January 5, 2004	Group: Unknown
U.S. Patent Documents <i>See Page 1</i>	Foreign Patent Documents <i>See Page 3</i>	Other Art <i>See Page 5</i>	

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
	C47	Shoji <i>et al.</i> , "New fabrication process for Josephson tunnel junctions with (niobium nitride niobium) double-layered electrodes," <i>Appl. Phys. Lett.</i> , 41(11):1097-1099, 1982.
	C48	Susuki, "Biomedical electrode with silicon nitride film," <i>Jpn. J. Med. Electron. Biol.</i> , 19(2):114-119, (with English summary), 1981.
	C49	Taheri <i>et al.</i> , "A dry electrode for EEG recording," <i>Electroencephalography and Clinical Neurophysiology</i> , 90(5):376-383, 1994.
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	C51	Teisseire <i>et al.</i> , "Physiological effects of high-P ₅₀ erythrocyte transfusion on piglets," <i>J. Appl. Phys.</i> , 58:1810-1817, 1985.
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	C55	Vasilenko <i>et al.</i> , "Preparation of porous electrodes from titanium nitrides," <i>Poroshkovaia Metallurgii</i> , 13:39-42, 1973, article in Russian, (with English summary).
	C56	Weiner, "Right shifting of Hb-O ₂ dissociation in viable red cells by liposomal technique," <i>Biol. of the Cell</i> , 47:65-70, 1983.
	C57	Weisel <i>et al.</i> , "Adverse effects of transfusion therapy during abdominal aortic aneurysectomy," <i>Surgery</i> , 83:682-690, 1978.
	C58	Wisbey <i>et al.</i> , "Application of PVD TiN coating to Co-Cr-Mo based surgical implants," <i>Biomaterials</i> , 8:477-480, 1987.
	C59	Wisbey <i>et al.</i> , "Titanium release from TiN coated implant materials," <i>ImechE</i> , C384/042:9-14, 1989.
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U.S. Patent Documents <i>See Page 1</i>	Foreign Patent Documents <i>See Page 3</i>	Other Art <i>See Page 5</i>	

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
	C61	Zhu <i>et al.</i> , "Fabrication and characterization of glucose sensors based on a microarray hydrogen peroxide electrode," <i>Biosensors and Bioelectronics</i> , 9(4-5):295-300, 1994.

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